ABSTRACT

There is provided a coil apparatus which can increase mechanical strength of terminal portions and assure sufficient impact resistant properties and vibration resistant properties even in an application in a severe use environment such as an in-vehicle coil apparatus.

Each of terminals 151 and 152 is formed of one metal sheet, and includes an attachment portion 911 or 921, an intermediate portion 912 or 922 and a bottom portion 913 or 923. One end of the attachment portion 911 or 921 is fixed at each terminal attachment portion 121 or 122 of a core 110. One end of the intermediate portion 912 or 922 is continuous with the other end of the attachment portion 911 or 921 at a first bent portion 1F1. The bottom portion 913 or 923 has one end which is continuous with the other end of the intermediate portion 912 or 922 at a second bent portion 1F2, faces the attachment portion 911 or 921, and has the other end as a free end. The intermediate portion 912 or 922 has a hole 914 or 924 in a plane thereof. In each hole 914 or 924, both inner edges which are opposed to each other in at least one direction have an arc shape.